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**National Textile University**

**Department of Computer Science**

Subject: Operating System

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Reg number:23-NTU-CS-1146

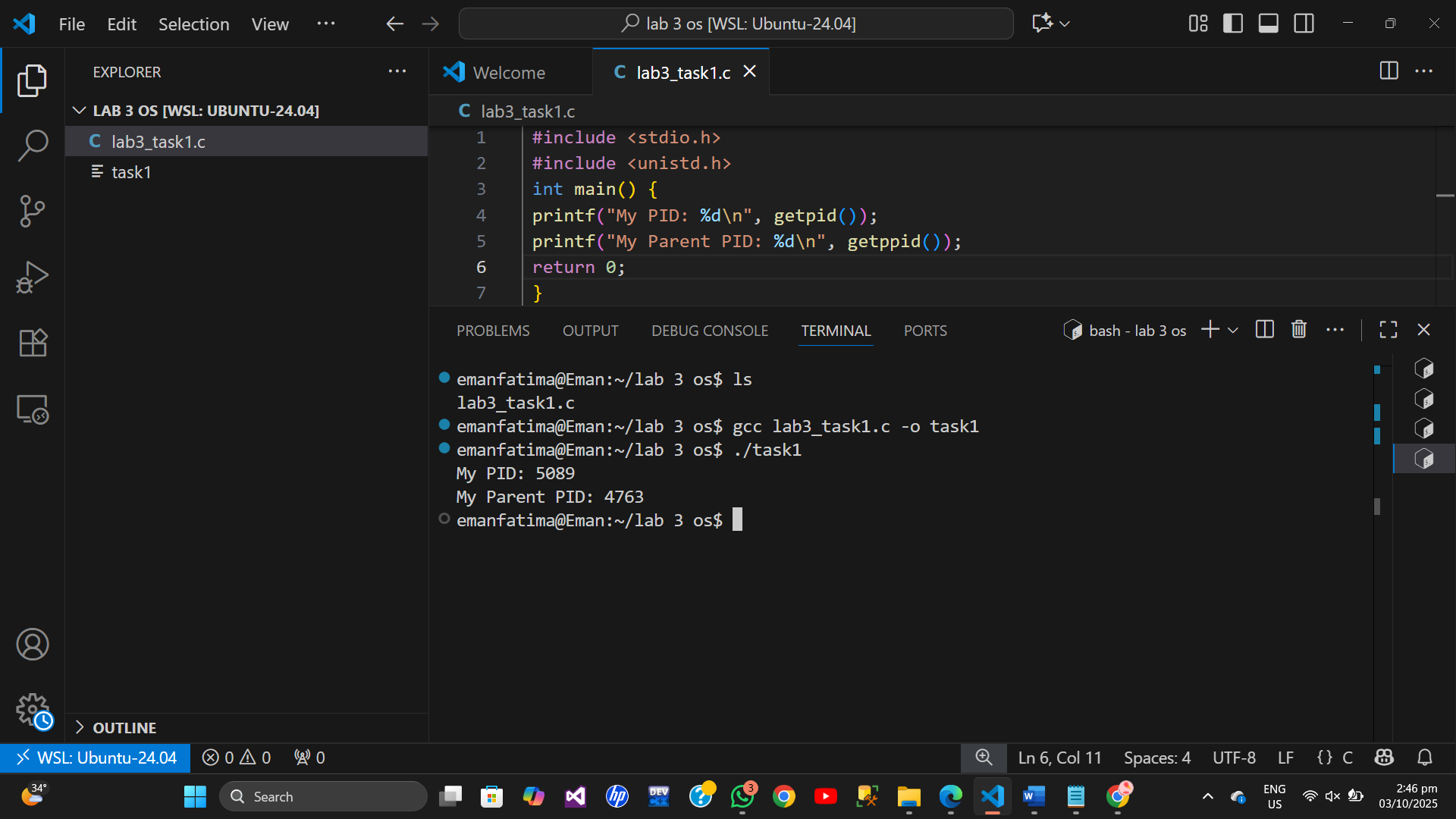
Assignment No.3

Semester:5th

Lab manual 03

**Task 1:**

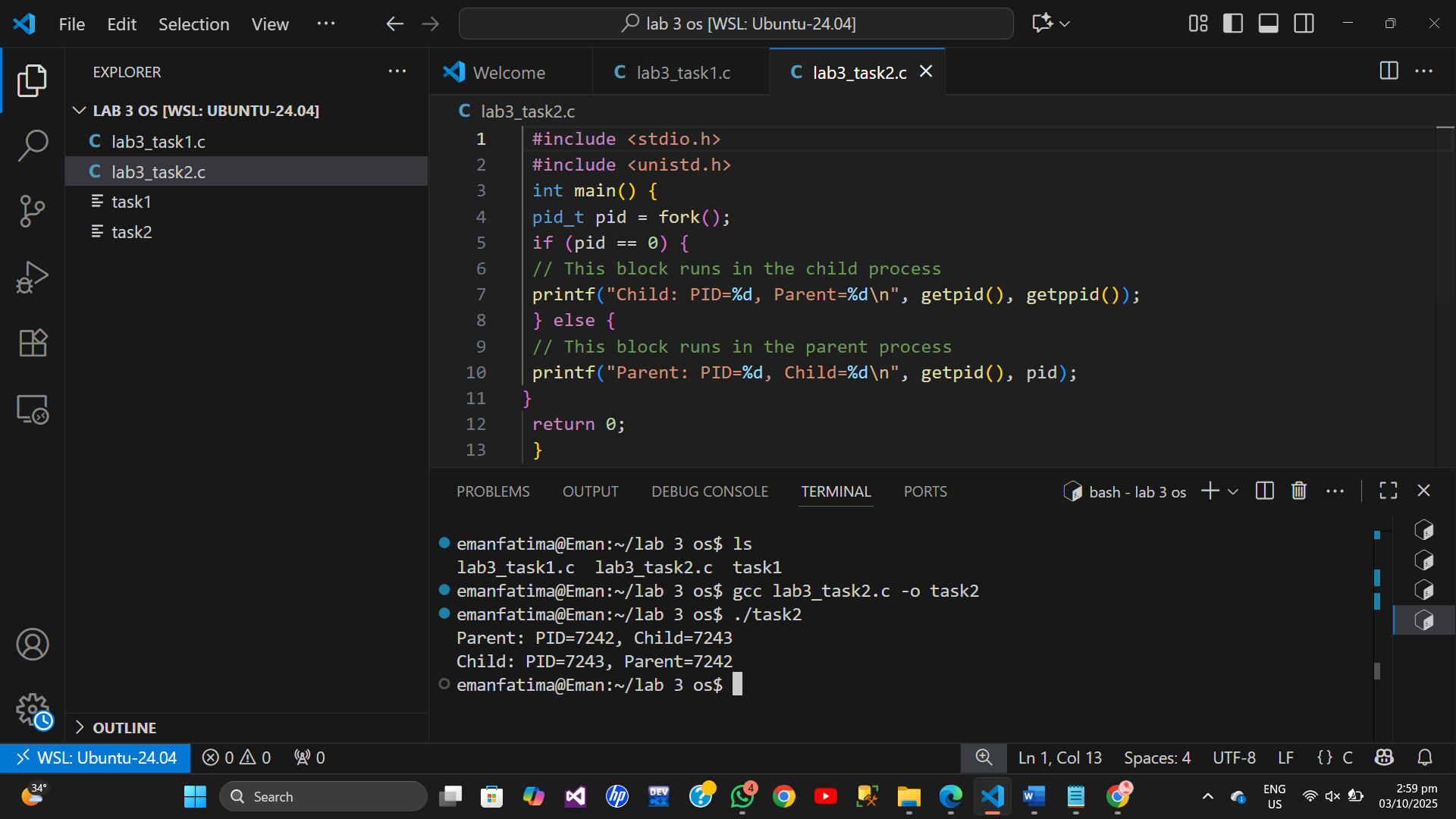
* In this task firstly i make a new folder in ubuntu and create a file .
* Then i write a simple c code
* For compiling i write this command gcc lab3\_task.c -o task 1 (out put file)
* After that for running file i write the comand ./task1.
* This will show the output.

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**Task 2:**

Create new proccess by using fork **.**

In this task simply write a code of c then use if ,else if and else for

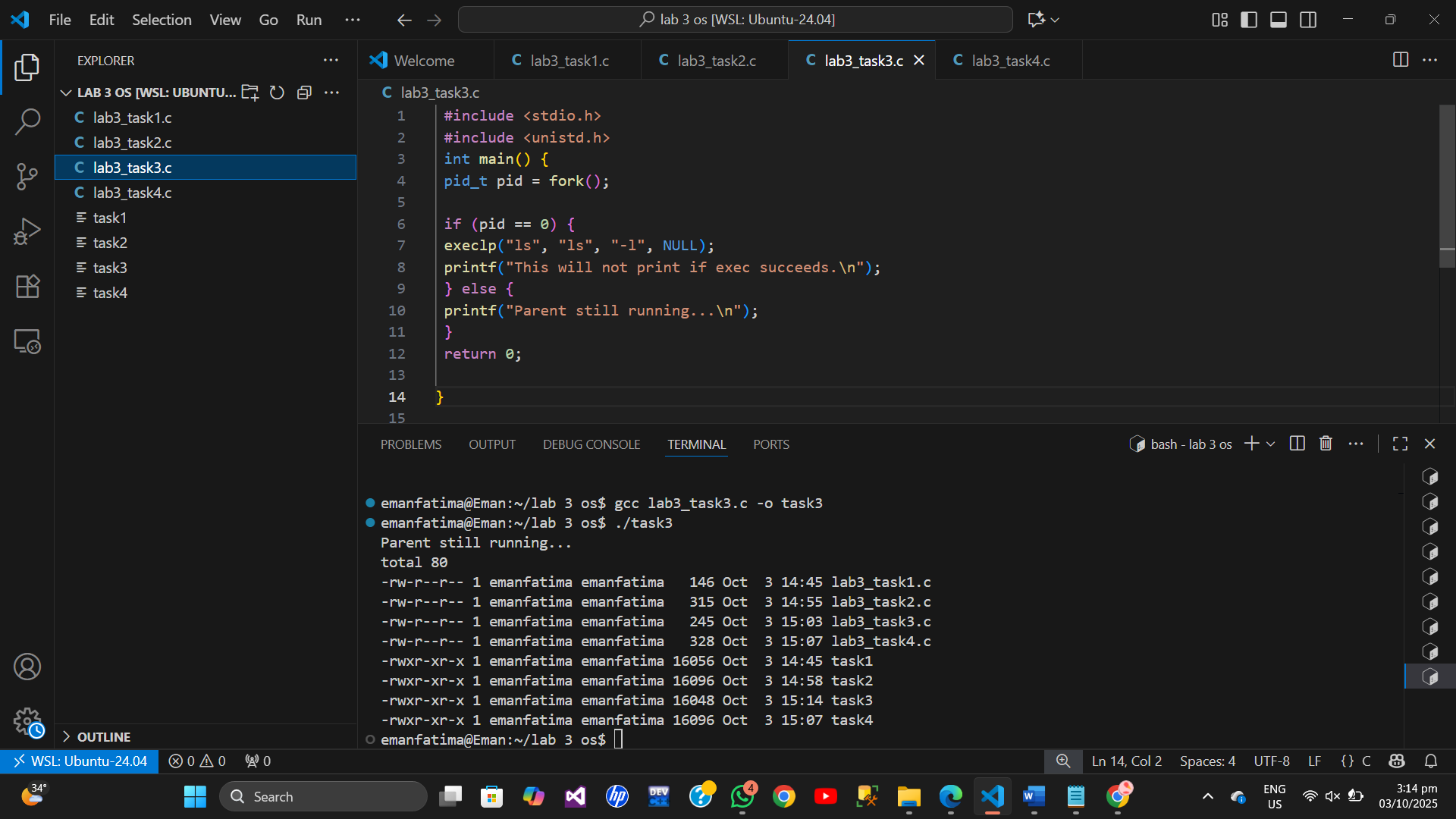
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**Task 3:**

**Without wait proccess**

This is orphane proccess becuase parent not wait for child to run.

Execute with ls comand.

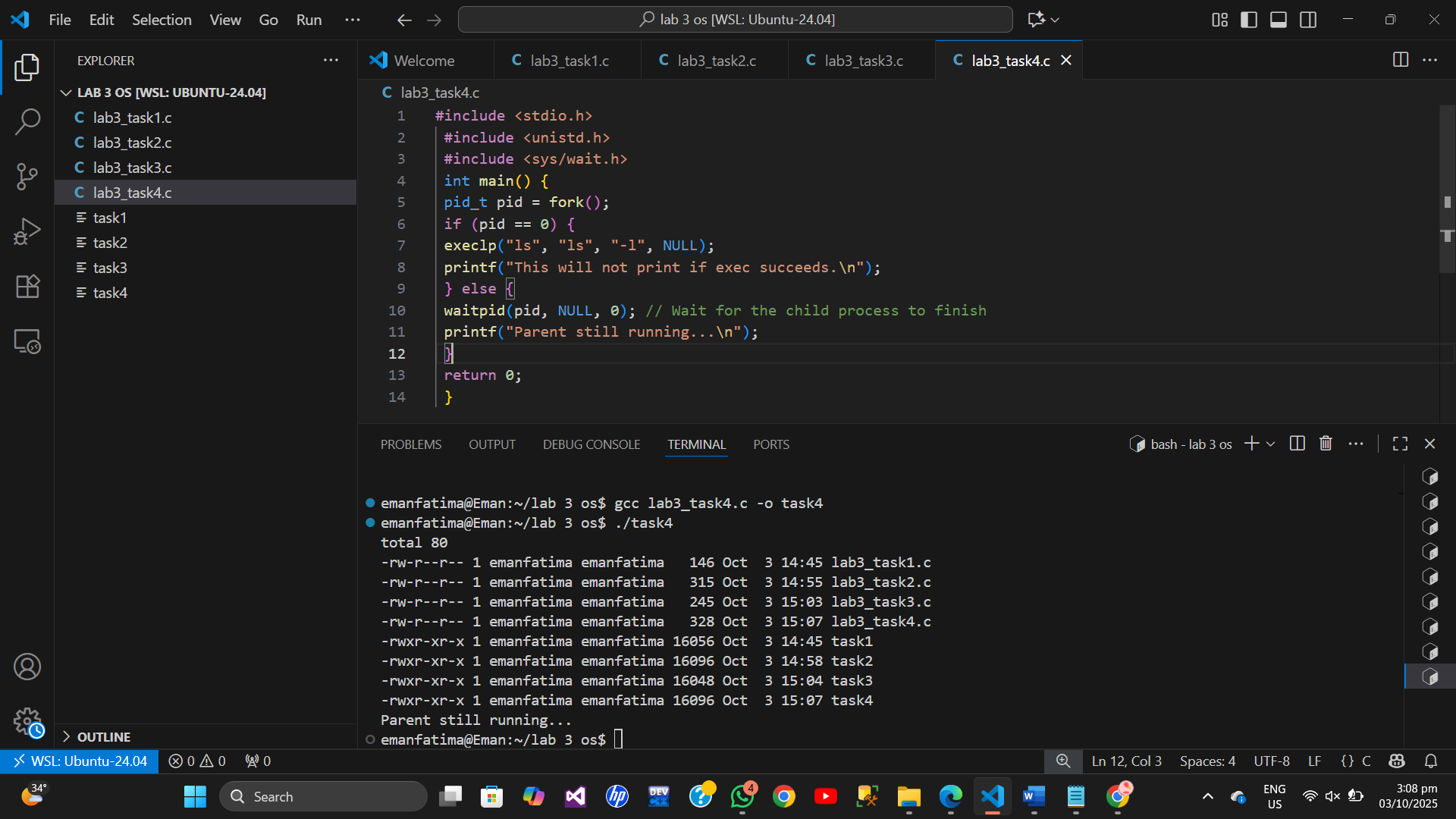
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**Task 4:**

**Wait and without wait**

In wait process the child will run frist completely then parent will run after wait .

In without case their is no preference of proccess running parent will run then child will run .

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**Task 5:**

Ps : show us proccess which are running.

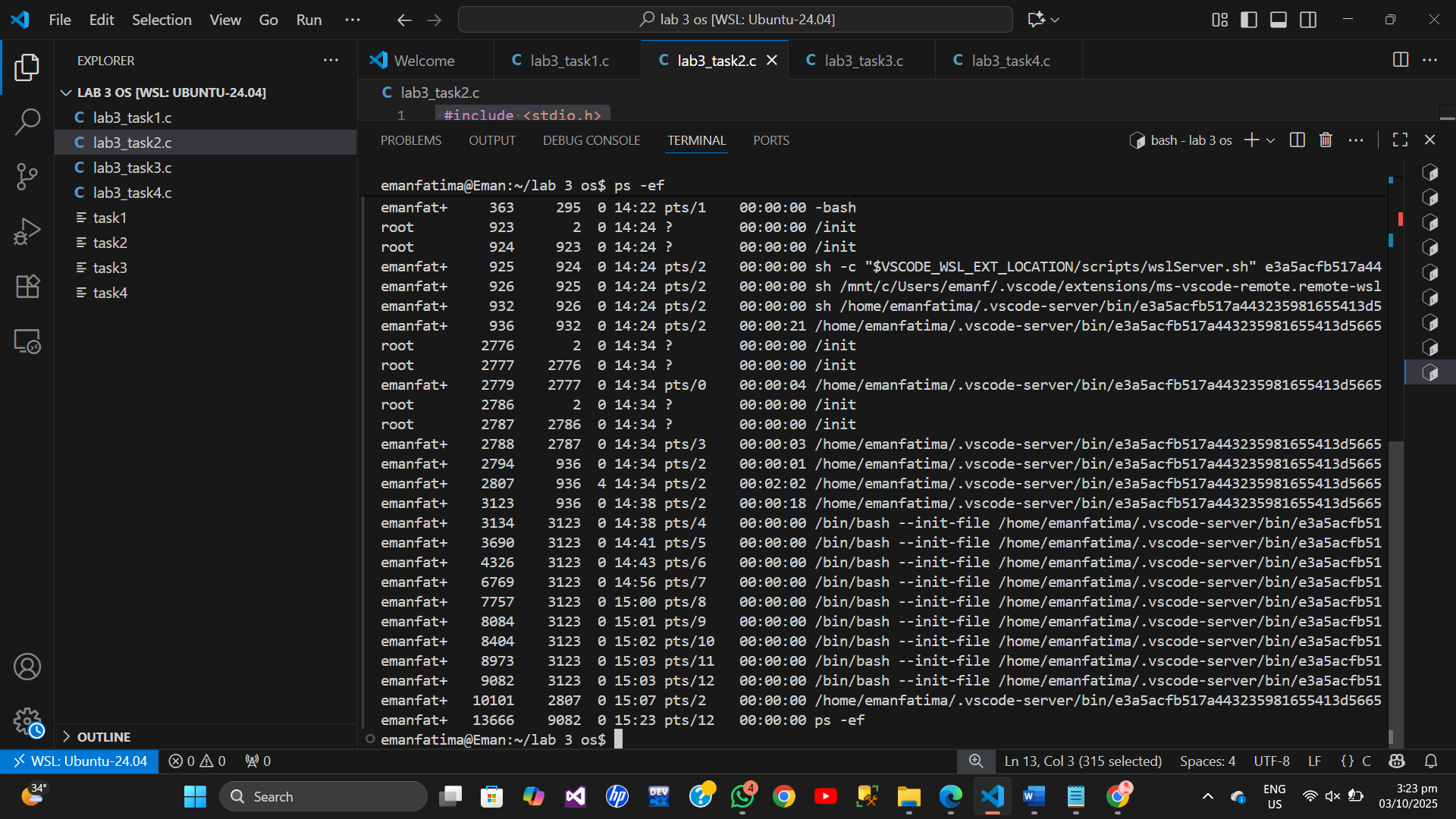
Pid : proccess id

Time : show time of cpu for runnning proccess

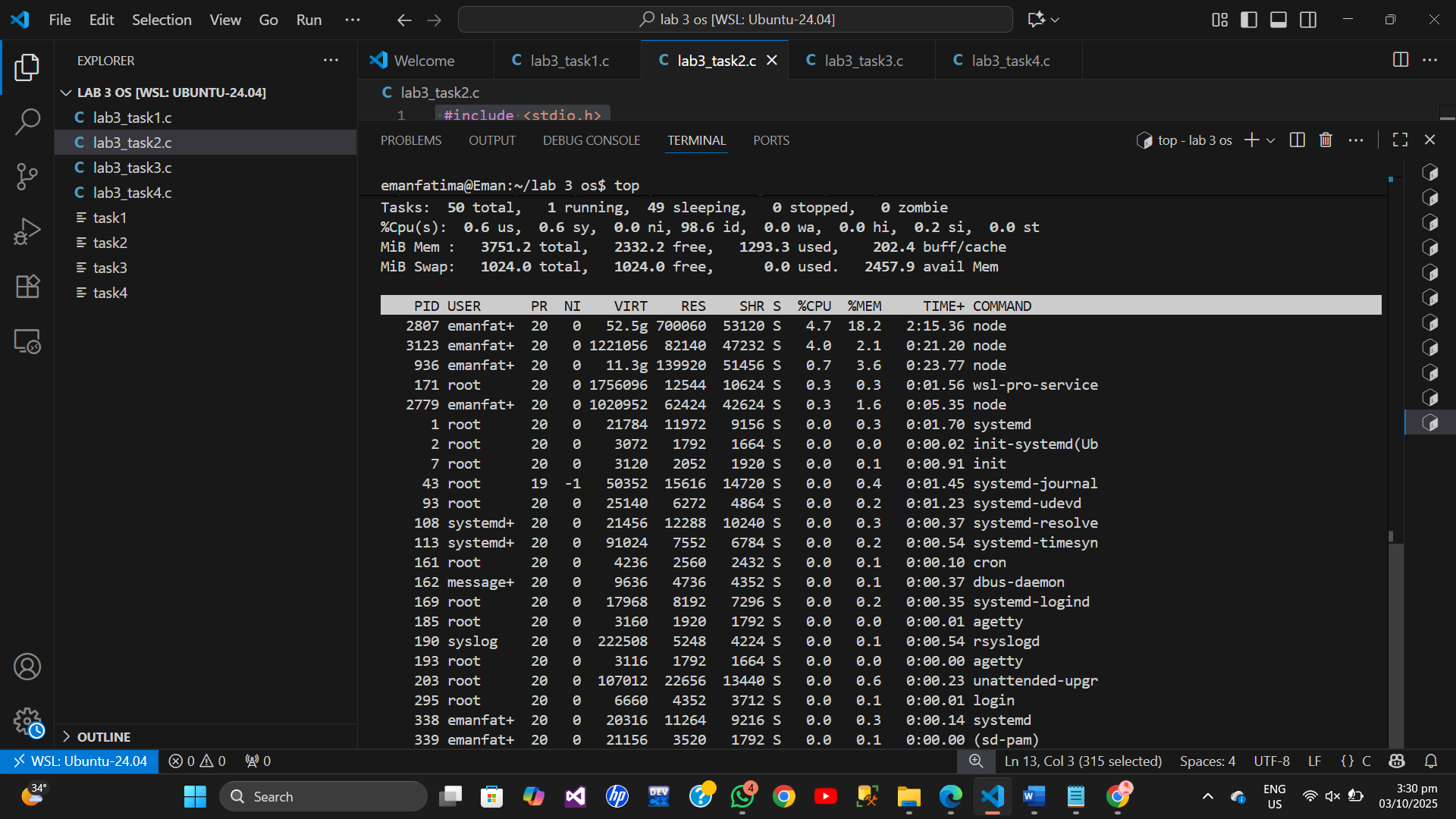
**A screenshot of a computer

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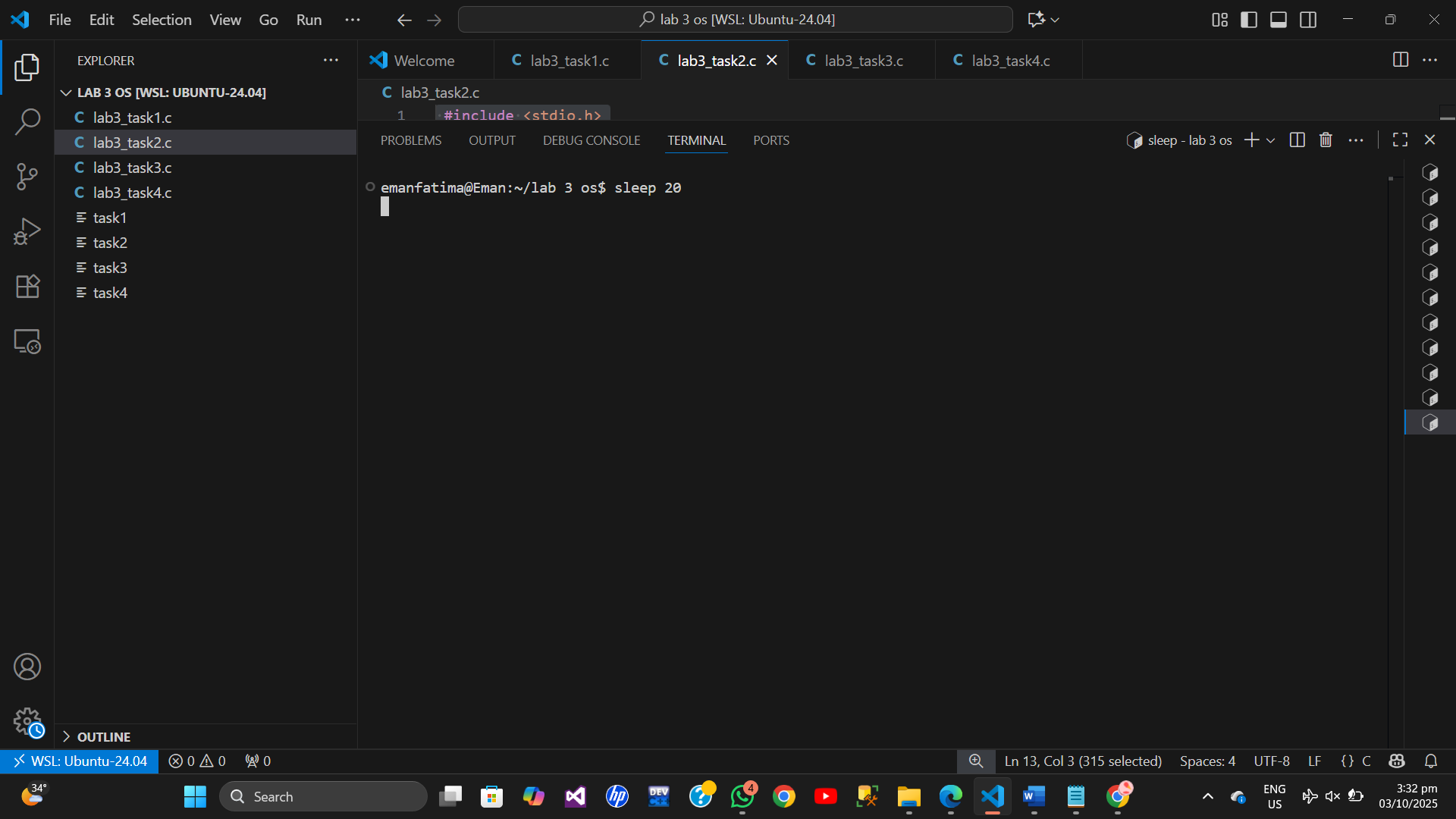
Runnung procces show

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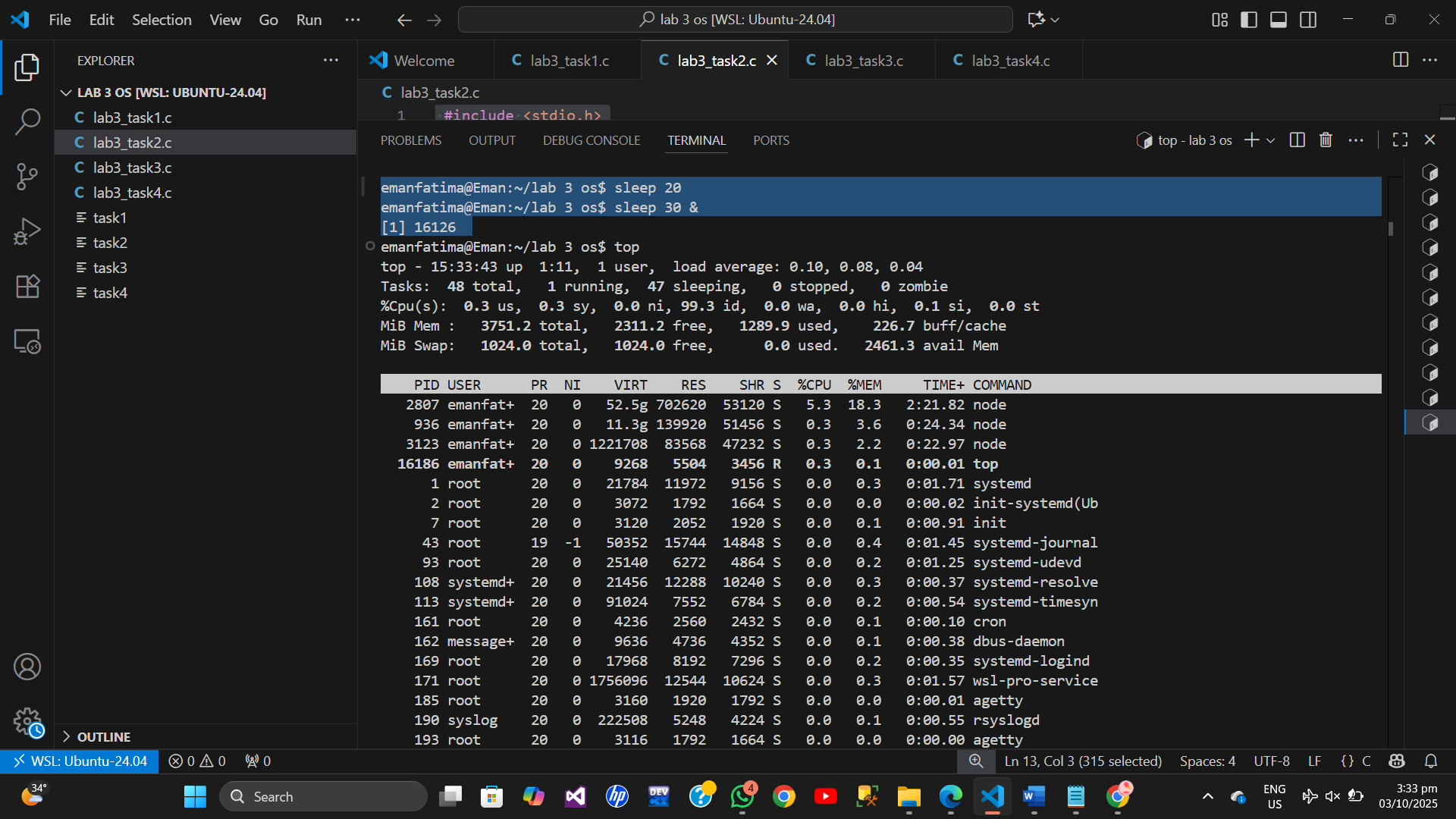
This comand show Dynamic proccess running.

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Sleep the terminal for required time

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Ruuning in backgroung the procces .

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**A screenshot of a computer program

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Show id of procces

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Infinity loop of procces running

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Running in background

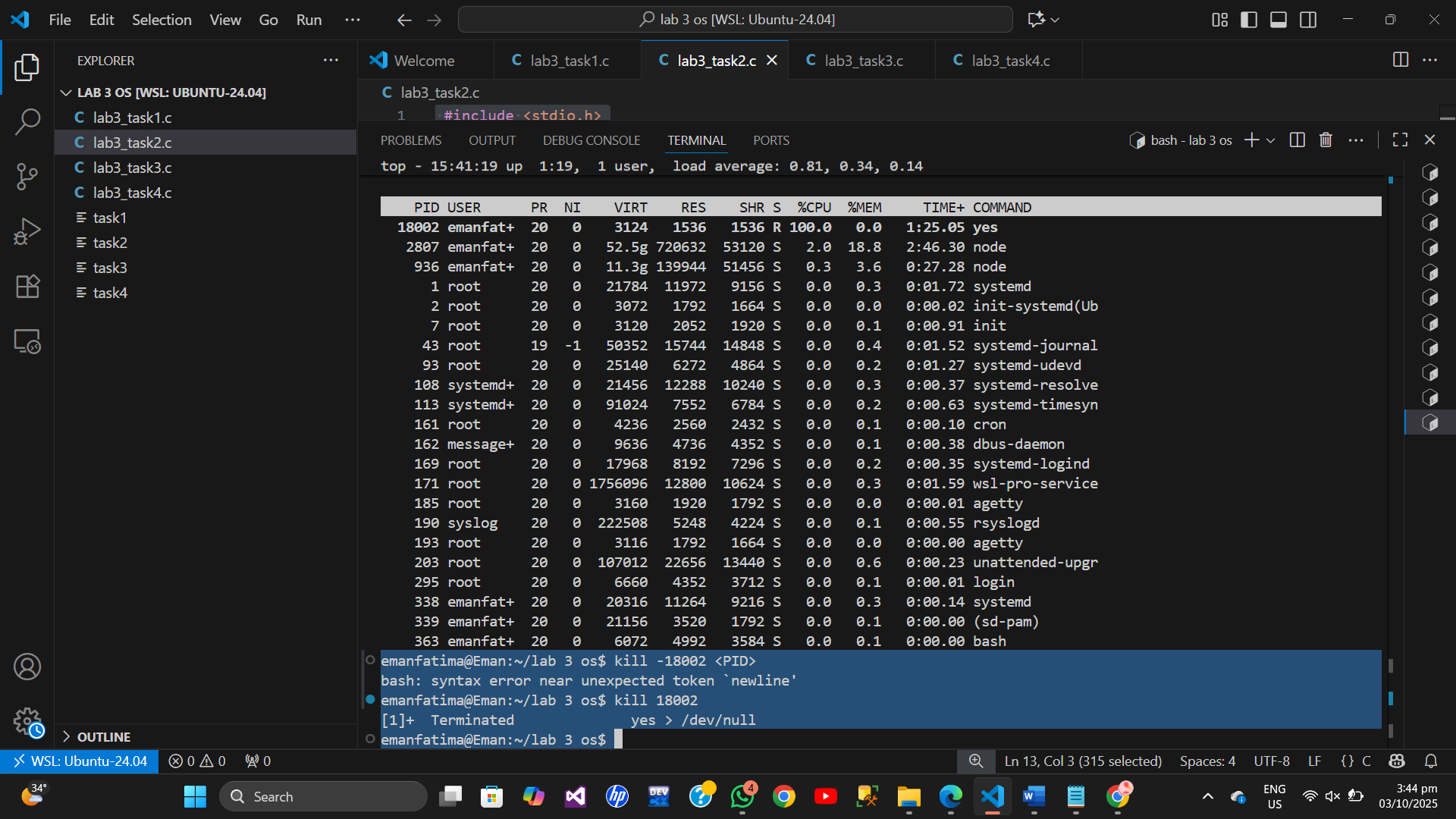
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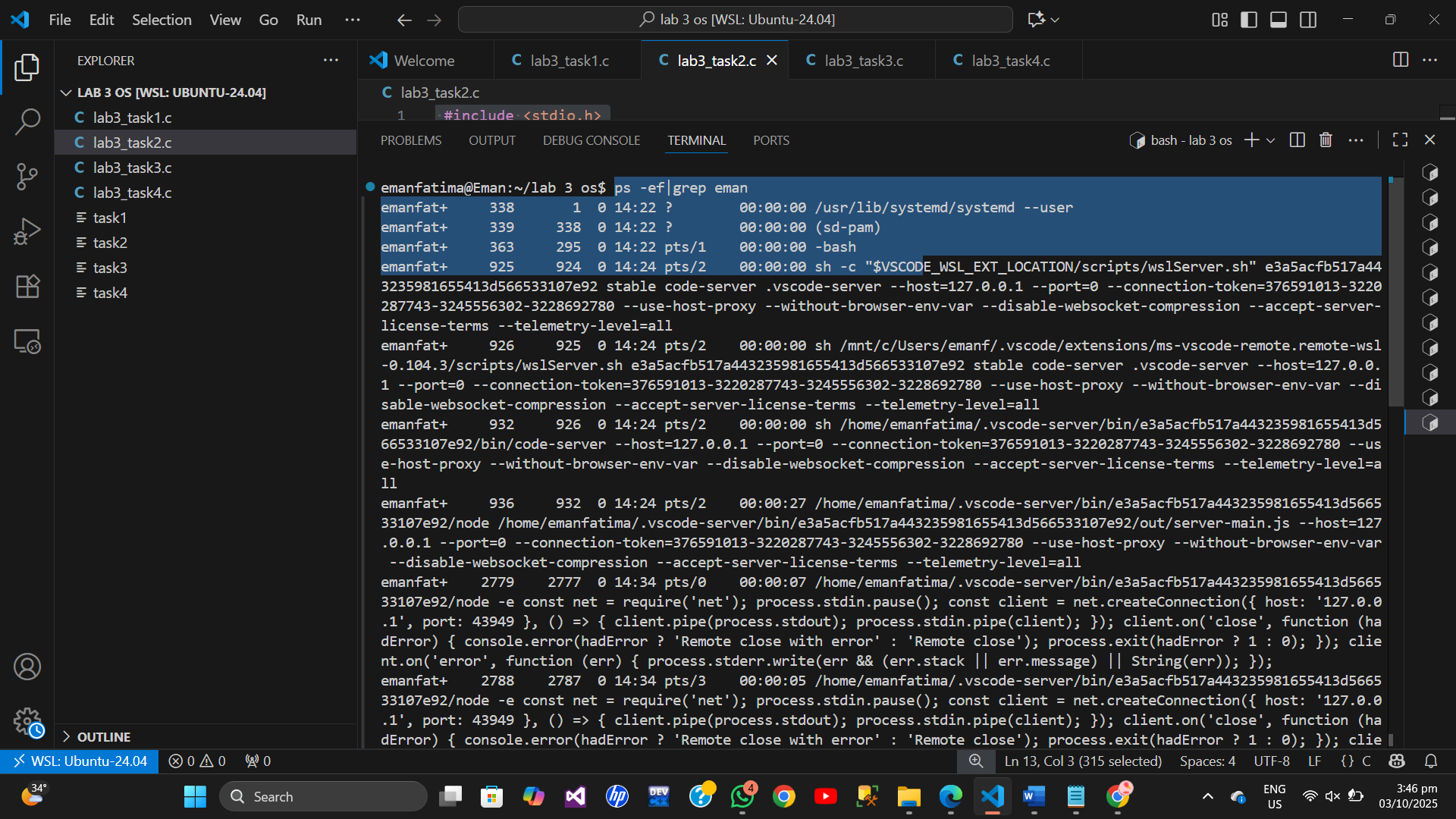
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Kill the comand runnung in background by using kill and pid number.

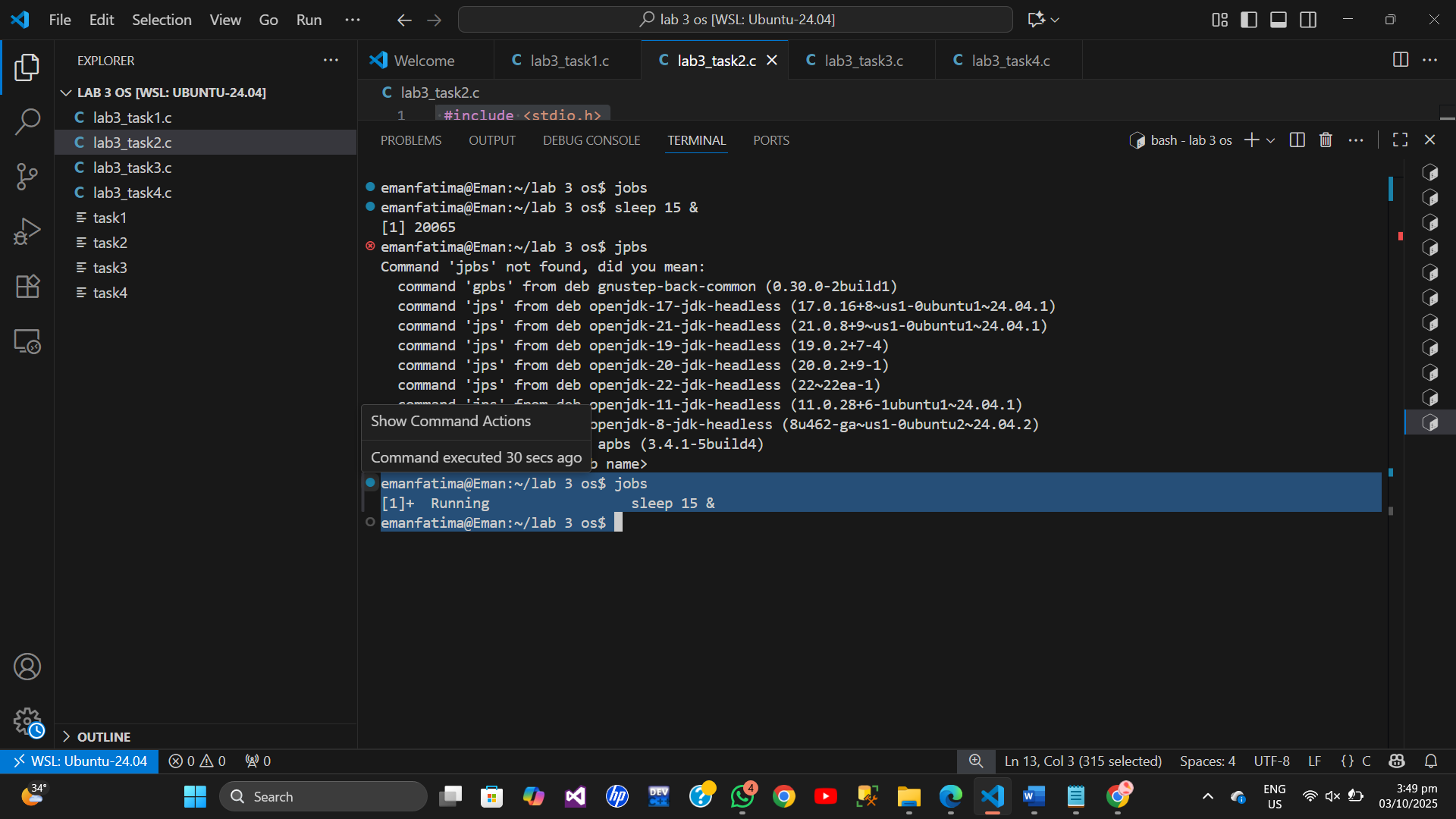
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Ps -ef is for giving output of the input text provided in grep

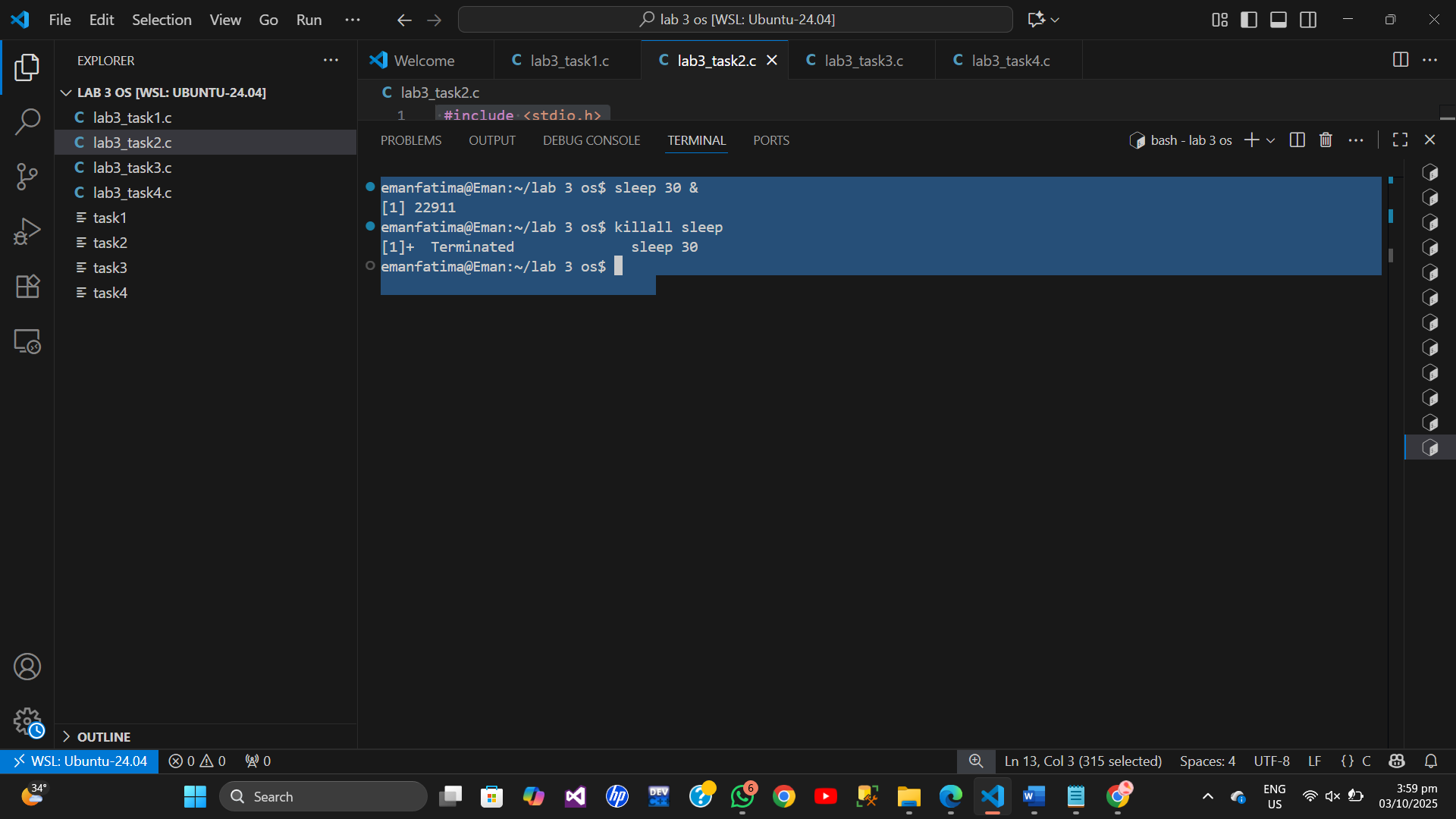
By using | pipe comand

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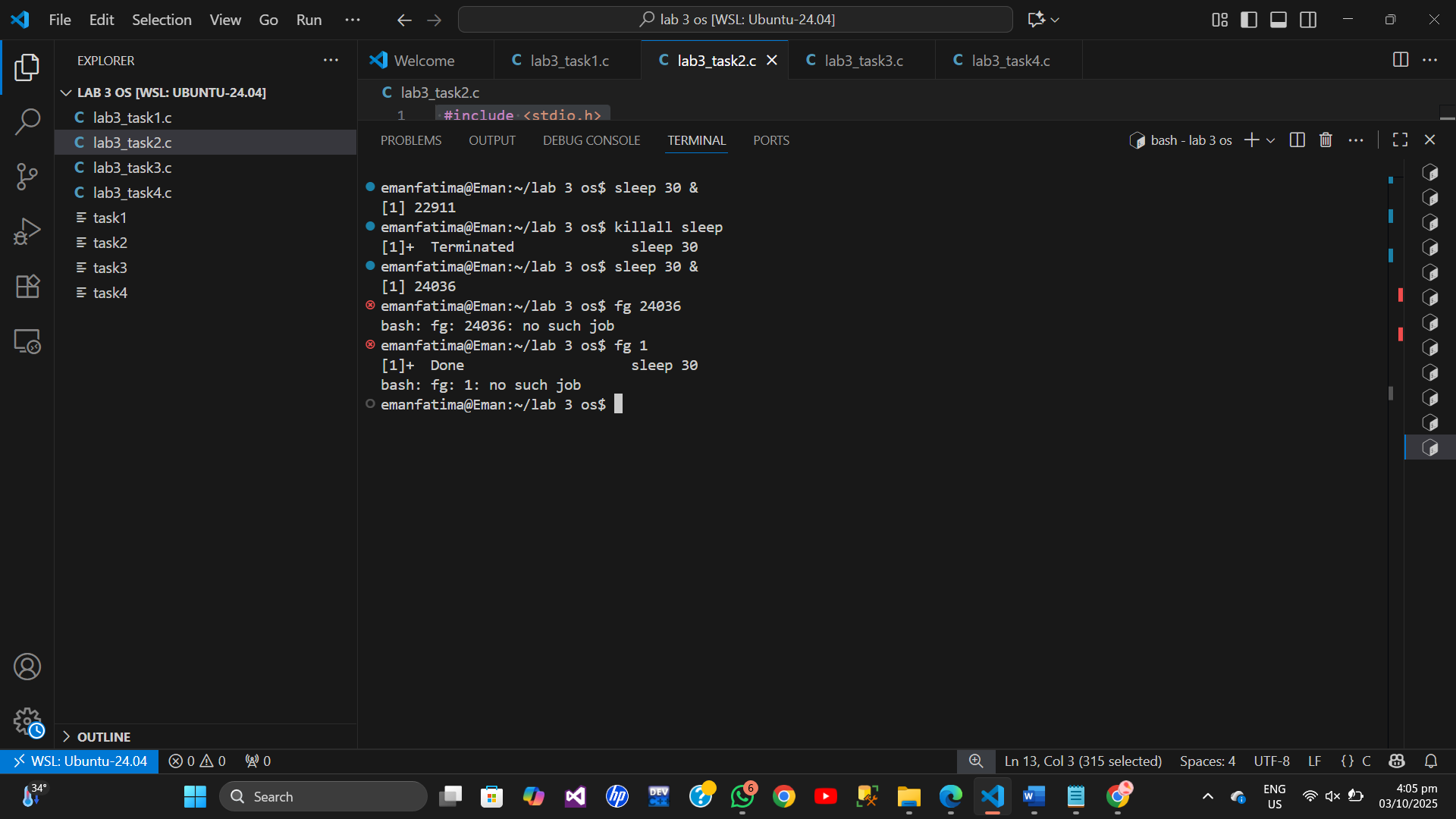
It shows us the jobs means process running in background .

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Killall sleep : kill the all sleep jobs running **.**

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Fg 1 for forground the 1st job .

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Bg 1 command : resume teh job which is

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